

NON-INVASIVE OPTICAL MEASUREMENT OF A BLOOD CONSTITUENT

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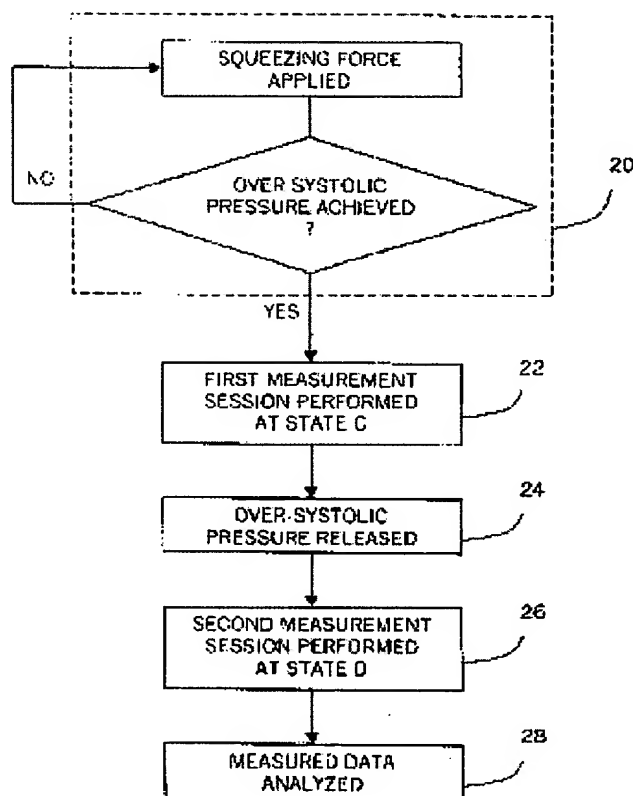
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Abstract of WO9965384

An over-systolic pressure is applied to a patient's blood perfused fleshy medium. The pressure causes a state of temporary blood flow cessation within a time period insufficient for irreversible changes in the fleshy medium. Release of the over systolic pressure causes a state of transitional blood flow terminating with the normal blood flow. At least two sessions of measurement, separated in time, are executed and at least one of these sessions is selected within the time period including the state of temporary blood flow cessation and the state of transitional blood flow. Optical non-invasive measurement of the concentration of at least one blood constituent are successively performed at these at least two sessions, and respective values of the concentration are obtained.



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